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| Substitute for form 1449A-B/PTO | | | | Complete if Known | | | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | 09/373,333 | | | | |
| | | | | Filing Date | August 12, 1999 | | | | |
| | | | | First Named Inventor | Venkiteswatan Subramanian | | | | |
| | | | | Group Art Unit | Unassigned | | | | |
| | | | | Examiner Name | Unassigned | | | | |
| | | | | Attorney Docket Number | 02-025630US | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | |
| Examiner Initials | Cite No. | U.S. Patent Document Number | | Kind Code (if known) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appear | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | |
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| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | | | |
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| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | T |
| -1 DBJ | AA | Chang, C., et al. (1999) "Evolution of a cytokine using DNA family shuffling." <u>Nature Biotechnology</u> 17:793-797. | | | |
| -2 DBJ | AB | Christians, F.C. et al., (1999) "Directed evolution of thymidine kinase for AZT phosphorylation using DNA family shuffling." <u>Nature Biotechnology</u> 17:259-264. | | | |
| -3 DBJ | AC | Crameri et al., (1993) "10(20)-Fold aptamer library amplification without gel purification," <u>Nuc. Acids Res.</u> 21(18):4410. | | | |
| -4 DBJ | AD | Crameri, A. & Stemmer W.P.C. (1995) "Combinatorial multiple cassette mutagenesis creates all the permutations of mutant and wildtype cassettes." <u>Biotechniques</u> 18:194-195. | | | |
| -5 DBJ | AE | Crameri, A. et al. (1996) "Construction and evolution of antibody-phage libraries by DNA shuffling." <u>Nature Medicine</u> 2:100-103. | | | |
| -6 DBJ | AF | Crameri, A. et al., (1997) "Molecular evolution of an arsenate detoxification pathway by DNA shuffling." <u>Nature Biotechnology</u> 15:436-438 | | | |
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| -8 DBJ | AH | Minshull, J., Stemmer, W.P.C. (1999) "Protein evolution by molecular breeding." <u>Current Opinion in Chemical Biology</u> 3:284-290. | | | |
| -9 DBJ | AI | Ness, J. et al., (1999) "DNA shuffling of subgenomic sequences of subtilisin." <u>Nature Biotechnology</u> 17:893-896. | | | |
| -10 DBJ | AJ | Patten, P.A. et al., (1997) "Application of DNA Shuffling to Pharmaceuticals and Vaccines." <u>Current Opinion in Biotechnology</u> 8:724-733. | | | |
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| -12 DBJ | AL | Stemmer, W.P.C. & Soong, N.W. (1999) "Molecular breeding of viruses for targeting and other clinical properties." <u>Tumor Targeting</u> 4:59-62. | | | |
| -13 DBJ | AM | Zhang, J. et al., (1997) "Directed evolution of an effective fucosidase from a galactosidase by DNA shuffling and screening." <u>Proceedings of the National Academy of Sciences, USA</u> 94:4504-4509. | | | |

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|--------------------|---------------------|-----------------|---------|
| Examiner Signature | Diana B [Signature] | Date Considered | 1/25/01 |
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